

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S146	1403	( optical same (fiber fibre )) same (detect\$4 monitor\$4) same ( sediment\$2 deposit\$4 )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S147	159289	"340"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S148	10	S146 and S147	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S149	2504	250/221.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S150	861	250/559.4.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S151	325	250/559.22.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S152	137073	"250"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S153	94881	"356"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S154	203	S146 and S152	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S155	19	( optical same (fiber fibre )) same (detect\$4 monitor\$4) same ( sediment\$2 deposit\$4 ) and anchor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S156	12	("4289398"   "4968880"   "5151966"   "5383015"   "5448059"   "5708500"   "5784338"   "5790471"   "6046797"   "6100700"   "6121894").PN. OR ("6526189").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S157	6	( optical same (fiber fibre )) same (detect\$4 monitor\$4) same ( scour) and anchor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52

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S15 8	140	250/559.43.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S15 9	215	S146 and S153	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S16 0	144	scour and sediment and depth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S16 1	16	("2240880"   "2704046"   "3545272"   "3550447"   "3697708"   "3933041"   "3962693"   "4139750"   "4642557").PN. OR ("5349327").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S16 2	733	(array near4 ( optical adj3 (fiber fibre) ) ) and (optical adj3 coupler )	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S16 3	83	S153 and S162	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S16 4	84	S152 and S162	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S16 5	12	((("4289398") or ("5143041") or ("5754284") or ("5968371") or ("6286363") or ("6574425") or ("6594004") or ("6611322") or ("6655095") or ("5784338") or ("5790471") or ("6084393"))).PN.	USPAT	OR	OFF	2006/06/07 10:52
S16 6	1162	(optical adj fiber ) and ( optical adj coupler ) and (monitor\$4) and alter\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S16 7	159289	"340"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S16 8	26	S166 and S167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S16 9	25	("0352647"   "2655045"   "3065354"   "3713338"   "3864577"   "3947692"   "4014010"   "4247784"   "4256403"   "4354180"   "4397183"   "4732035"   "4938590"   "5054319"   "5159834"   "5194747"   "5257539").PN. OR ("5743135").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S17 0	45	("1259680"   "1670578"   "1955315"   "2696738"   "3005345"   "3120125"   "3466928"   "3505868").PN. OR ("3713338").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S17 1	117	(optical adj fiber ) and ( optical adj coupler ) and (monitor\$4 near4 (level scour sediment deposit deposition)) and alter\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52

## EAST Search History

S17 2	461	(optical adj fiber ) and ( optical adj coupler ) and (monitor\$4 near4 (level scour sediment deposit deposition))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S17 3	88	356/34.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S17 4	411	356/32.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S17 5	263	250/559.27.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S17 6	363	250/559.42.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S17 7	1009	250/573.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S17 8	29	("3303699"   "3370502"   "3433570"   "3902807"   "3975084"   "4302677").PN. OR ("4544840").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S17 9	722	250/227.14.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S18 0	5606	(fiber fibre) and coupler and multiplexer and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S18 1	121	scour and sediment and deposit\$4 and level	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S18 2	1	S180 and S181	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S18 3	121	scour and sediment and deposit\$4 and level	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52

## EAST Search History

S18 4	49	(fiber fibre) and coupler and multiplexer and filter and anchor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S18 5	19	("2707267"   "3617996"   "3686887"   "3727128"   "3991364"   "4855966"   "4914394"   "5032794"   "5361776"   "5479724"   "5532687"   "5554936").PN. OR ("5784338").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S18 6	16	("2707267"   "3617996"   "3727128"   "3991364"   "4855966"   "4914394"   "5361776"   "5479724"   "5532687"   "5554936"   "5784338").PN. OR ("6121894").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S18 7	16	("2240880"   "2704046"   "3545272"   "3550447"   "3697708"   "3933041"   "3962693"   "4139750"   "4642557").PN. OR ("5349327").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S18 8	11	("3617996"   "3641811"   "3690155"   "4380930"   "4736630"   "5297109").PN. OR ("5753818").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S18 9	3	((("6130448") or ("6571466") or ("6596560"))).PN.	USPAT	OR	OFF	2006/06/07 10:52
S19 0	3329	250/573-577.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S19 1	435	optical and (array near10 fiber) and coupler and ( (detect\$4 monitor\$4) near4 level )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S19 2	3755	optical and (array near10 fiber) and coupler	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S19 3	5	S190 and S192	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S19 4	7	((("4764671") or ("4942306") or ("4633711") or ("4038650") or ("4870292") or ("4745293") or ("4994682"))).PN.	USPAT	OR	OFF	2006/06/07 10:52
S19 5	20	("4038650"   "4287427"   "4633711"   "4745293"   "4764471"   "4860586"   "4870292"   "4891511"   "4942306"   "4994682"   "5038620").PN. OR ("5164605").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S19 6	42	optical and (array near10 fiber) and coupler and ( (detect\$4 monitor\$4) ) and ( scour sediment soil gravel )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S19 7	2012	( (fiber fibre) near5 array ) and (optical near5 coupler )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S19 8	2	S190 and S197	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52

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S199	13	S197 and "340"/\$.ccds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S200	183	S197 and "356"/\$.ccds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S201	208	S197 and "250"/\$.ccds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S202	12	("4289398"   "4968880"   "5151966"   "5383015"   "5448059"   "5708500"   "5784338"   "5790471"   "6046797"   "6100700"   "6121894").PN. OR ("6526189").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S203	1	("3466928").PN.	USPAT	OR	OFF	2006/06/07 10:52
S204	11569	(fiber fibre) and coupler and ( orthogonal perpendicular )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S205	1313	S204 and "356"/\$.ccds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S206	141	S204 and "340"/\$.ccds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S207	767	S204 and "250"/\$.ccds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S208	18	("2256595"   "3120125"   "3548657"   "3713338"   "3794428"   "4119860"   "4354180"   "4355238"   "4425794"   "4857894"   "4954724").PN. OR ("5257539").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S209	1	("6795598").PN.	USPAT	OR	OFF	2006/06/07 10:52
S210	1	("3120125").PN.	USPAT	OR	OFF	2006/06/07 10:52
S211	18	("2909857"   "3120125"   "3192392"   "3526880"   "3683196"   "3713338"   "3995169"   "4119860"   "4187025"   "4860551"   "4994682"   "5164608"   "5235179"   "5384871").PN. OR ("6795598").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S212	1030	"umbilical cable"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S213	137073	"250"/\$.ccds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52

## EAST Search History

S21 4	14	S212 and S213	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S21 5	29	(multiplex\$4 and ( analog ) and digital ) and (optic\$3 same fiber ) and software	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S21 6	12454	(circuit same board ) and ( analog same digital ) and ( multiplex\$4 "multi-channel" (multi near5 channel) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S21 7	576	S216 and S213	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S21 8	1403	( optical same (fiber fibre )) same (detect\$4 monitor\$4) same ( sediment\$2 deposit\$4 )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S21 9	118896	( optic\$2 same (fiber fibre )) and ( monitoring monitor detect detecting sensing measuring measure indicate indicating) and (liquid sediment gravel deposition level )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S22 0	2245	S216 and S219	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S22 1	157	S220 and S213	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S22 2	363	250/559.42.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S22 3	263	250/559.27.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S22 4	140	250/559.43.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S22 5	1009	250/573.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52

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S22 6	722	250/227.14.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:52
S22 7	280	250/559.22.ccls.	USPAT	OR	ON	2006/06/07 10:52
S22 8	625	250/559.4.ccls.	USPAT	OR	ON	2006/06/07 10:52
S22 9	342	( scour sediment) and ( optic\$4 near2 (fiber fibre))	USPAT	OR	ON	2006/06/07 10:52
S23 0	11	((("20040113104") or ("5641230") or ("5581648") or ("20030094281") or ("6678541") or ("6130439") or ("6216540") or ("5422495") or ("5814524") or ("5699795") or ("6016435")).PN.	US-PGPUB; USPAT	OR	OFF	2006/06/07 10:52
S23 1	113	250/900-908.ccls.	USPAT	OR	ON	2006/06/07 10:52
S23 2	12	("3995169"   "4240747"   "4287427"   "4598742"   "4893894"   "5026984"   "5058420").PN. OR ("5235179").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 10:52
S23 3	621	( scour sediment) and ( optic\$4 near2 (fiber fibre))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/07 10:52
S23 4	279	S233 not S229	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/07 10:52
S23 5	1	("5361313").PN.	USPAT	OR	OFF	2006/06/07 10:52
S23 6	446	(250/577).CCLS.	USPAT	OR	OFF	2006/06/07 10:52
S23 7	26	(multiplexer with signal ) and 250/227.14.ccls.	USPAT	OR	ON	2006/06/07 10:52
S23 8	481	(multiplexer with signal ) with source with light	USPAT	OR	ON	2006/06/07 10:52
S23 9	0	(multiplexer with signal ) with source with light with energize	USPAT	OR	ON	2006/06/07 10:52
S24 0	366	(multiplexer with signal ) with source with light with optic\$4	USPAT	OR	ON	2006/06/07 10:52
S24 1	202	(multiplexer with signal ) with source with light with optic\$4 with (fiber fibre)	USPAT	OR	ON	2006/06/07 10:52
S24 2	9	S241 and "250"/\$.ccls.	USPAT	OR	ON	2006/06/07 10:52
S24 3	3773	power adj meter	USPAT	OR	ON	2006/06/07 10:52
S24 4	276	( power adj meter ) with ( microprocessor display alarm )	USPAT	OR	ON	2006/06/07 10:52
S24 5	53	( power adj meter ) with ( computer display alarm ) with (monitor\$5)	USPAT	OR	ON	2006/06/07 10:52
S24 6	5	S245 and "250"/\$.ccls.	USPAT	OR	ON	2006/06/07 10:52
S24 7	39	( power adj meter ) with ( computer display ) with (monitor\$5)	USPAT	OR	ON	2006/06/07 10:52
S24 8	11	( power adj meter ) with (monitor\$5) with ( failure performance\$4)	USPAT	OR	ON	2006/06/07 10:52

## EAST Search History

S24 9	11435	(high adj pass adj filter ) and ( amplifier )	USPAT	OR	ON	2006/06/07 10:52
S25 0	82	(high adj pass adj filter ) with ( amplifier ) with (computer microprocessor processor )	USPAT	OR	ON	2006/06/07 10:52
S25 1	3	S250 and "250"/\$.ccls.	USPAT	OR	ON	2006/06/07 10:52
S25 2	2354	plastic near3 (optical adj fiber)	USPAT	OR	ON	2006/06/07 10:52
S25 3	220	S252 and "250"/\$.ccls.	USPAT	OR	ON	2006/06/07 10:52
S25 4	33	S252 and 250/227.14.ccls.	USPAT	OR	ON	2006/06/07 10:52
S25 5	33	S252 and "250"/227.14.ccls.	USPAT	OR	ON	2006/06/07 10:52
S25 6	0	(anchoring adj device ) with fixed with fiber	USPAT	OR	ON	2006/06/07 10:52
S25 7	29	(anchoring adj device ) with fiber	USPAT	OR	ON	2006/06/07 10:52
S25 8	8	install with fixed with fiber	USPAT	OR	ON	2006/06/07 10:52
S25 9	0	(cyclical adj signal) with square with optic\$4	USPAT	OR	ON	2006/06/07 10:52
S26 0	254	(sequence pulse) with KHz with optic\$4	USPAT	OR	ON	2006/06/07 10:52
S26 1	195	(sequence pulse) with (square adj wave) with optic\$4	USPAT	OR	ON	2006/06/07 10:52
S26 2	26	S261 and "250"/\$.ccls.	USPAT	OR	ON	2006/06/07 10:52
S26 3	5959	(sequence pulse) with (square adj wave) with ( optic\$4 signal)	USPAT	OR	ON	2006/06/07 10:52
S26 4	14	(sequence pulse) with (square adj wave) with ( optic\$4 adj signal)	USPAT	OR	ON	2006/06/07 10:52
S26 5	2	((("5091650") or ("6087663")).PN.	USPAT	OR	OFF	2006/06/07 10:52
S26 6	609	umbilical adj cable	USPAT	OR	ON	2006/06/07 10:52
S26 7	66	(umbilical adj cable) with source	USPAT	OR	ON	2006/06/07 10:52
S26 8	1505	microprocessor and multiplexer and (circuit adj board) and (analog near3 digital near3 converter)	USPAT	OR	ON	2006/06/07 10:52
S26 9	0	S268 and 250/227.14.ccls.	USPAT	OR	ON	2006/06/07 10:52
S27 0	84	S268 and "250"/\$.ccls.	USPAT	OR	ON	2006/06/07 10:52
S27 1	471	microprocessor and multiplexer and (circuit adj board) and (analog near3 digital near3 converter) and ( personal adj computer)	USPAT	OR	ON	2006/06/07 10:52
S27 2	13	S271 and "250"/\$.ccls.	USPAT	OR	ON	2006/06/07 10:52
S27 3	1	microprocessor with multiplexer with (circuit adj board) and (analog near3 digital near3 converter) and ( personal adj computer)	USPAT	OR	ON	2006/06/07 10:52
S27 4	9	((multi adj2 channel) multi\$2channel) same ( circuit adj board ) same acquisition	USPAT	OR	ON	2006/06/07 10:52



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S27 5	219	((multi adj2 channel) multi\$2channel) same ( circuit adj board )	USPAT	OR	ON	2006/06/07 10:52
S27 6	13	((multi adj2 channel) multi\$2channel) same ( circuit adj board ) same software	USPAT	OR	ON	2006/06/07 10:52
S27 7	0	((multi adj2 channel) multi\$2channel) same ( circuit adj board ) ) and ( scour )	USPAT	OR	ON	2006/06/07 10:52
S27 8	86	((multi adj2 channel) multi\$2channel) same ( circuit adj board ) ) and ( marine scour fiber)	USPAT	OR	ON	2006/06/07 10:52
S27 9	133	S275 not S278	USPAT	OR	ON	2006/06/07 10:52
S28 0	3	multi-channel adj3 printed adj3 circuit adj3 board	USPAT	OR	ON	2006/06/07 10:52